

10 October
2007

Achievements and Efforts for Enhancing Disaster Reduction

Director and Professor *Yoshiaki KAWATA*

The Great Hanshin-Awaji Earthquake Memorial

DRI (Disaster Reduction and Human Renovation Institution)

DPRI (Disaster Prevention Research Institute, Kyoto University)

I have been contributed
to Safer World against Natural Disasters
for more than 30years.

No.1 Establishment and activities of Disaster Reduction and Human Renovation Institution (DRI) and Disaster Reduction Alliance (DRA) in Kobe

No.2 Policy advise through international field surveys on disasters and dispatch of disaster lessons

No.3 Voluntary activities at NPO: Crisis & Environment Management Policy Institute (CeMI) for public awareness and educational activities

No.4 Promotion of research projects on disaster reduction at DPRI, Kyoto University since 1969

Transfer of Live Lessons of Catastrophic Disaster

--- Education for sustainable development ---

Opened in April 2002

Opened in April 2003

**Chairman of Disaster Reduction Alliance
Disaster Reduction and
Human Renovation Institution.**



Executive Director Yoshiaki KAWATA

Disaster Reduction and Human Renovation Institution (DRI)

Established in April 2002 with the Mission such as “By transferring the experiences of the Great Hanshin-Awaji (Kobe) Earthquake and applying lessons learned from the Earthquake for a better future, DRI aims at cultivating a disaster culture, mitigating social vulnerability, and developing policies for disaster reduction; thereby contributing to realizing a safer and more secure civil society”

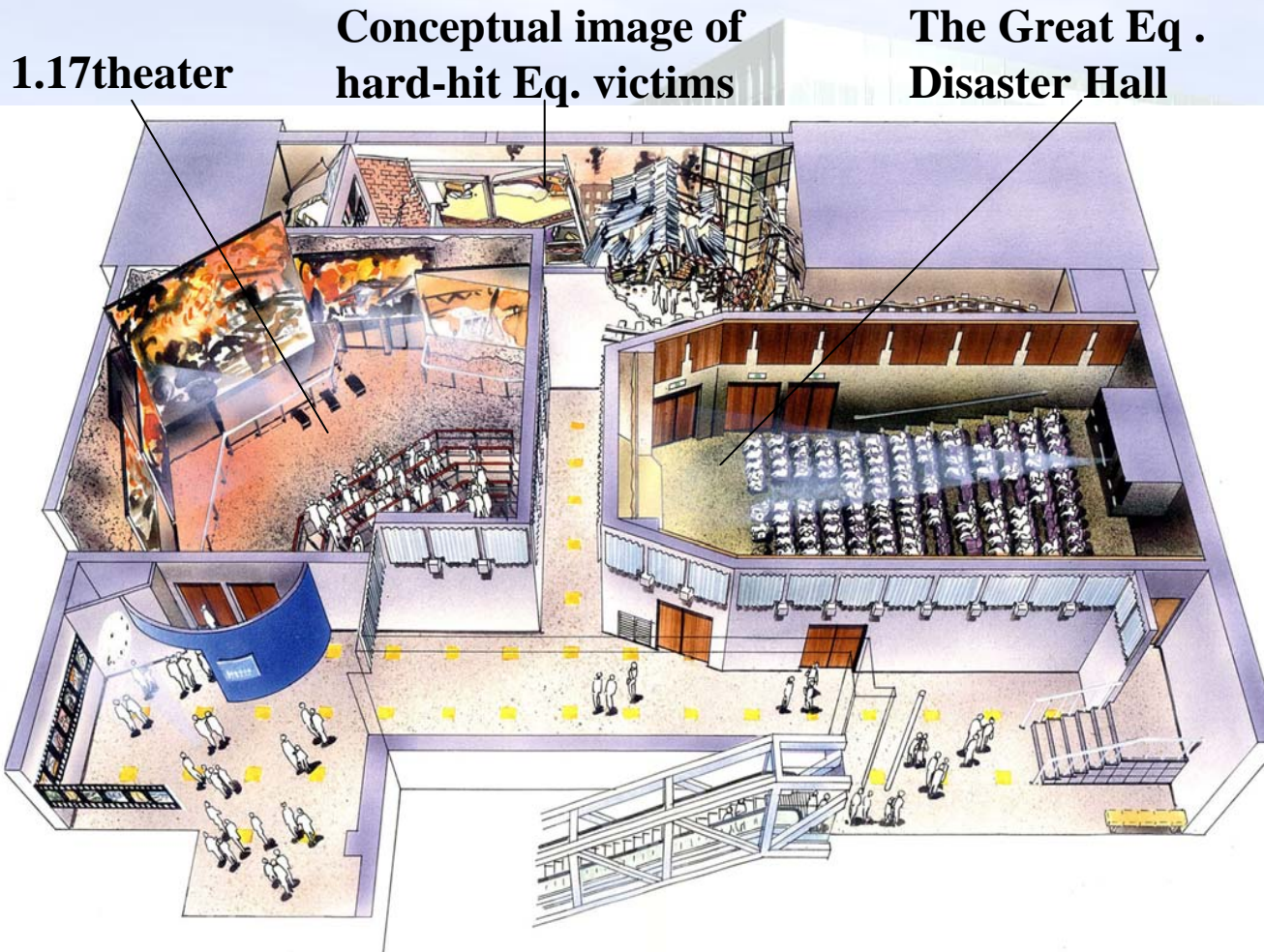
6 main functions:

- Museum Exhibits
- Collection and Preservation of Source Documents and Materials
- Training of Disaster Management Practitioners / Development of Disaster Reduction Professionals
- Networking
- Action Research on Disaster Reduction
- Headquarters Assistance in Disaster Response



Exhibition (Earthquake Museum)

4th floor; The impact of the Earthquake

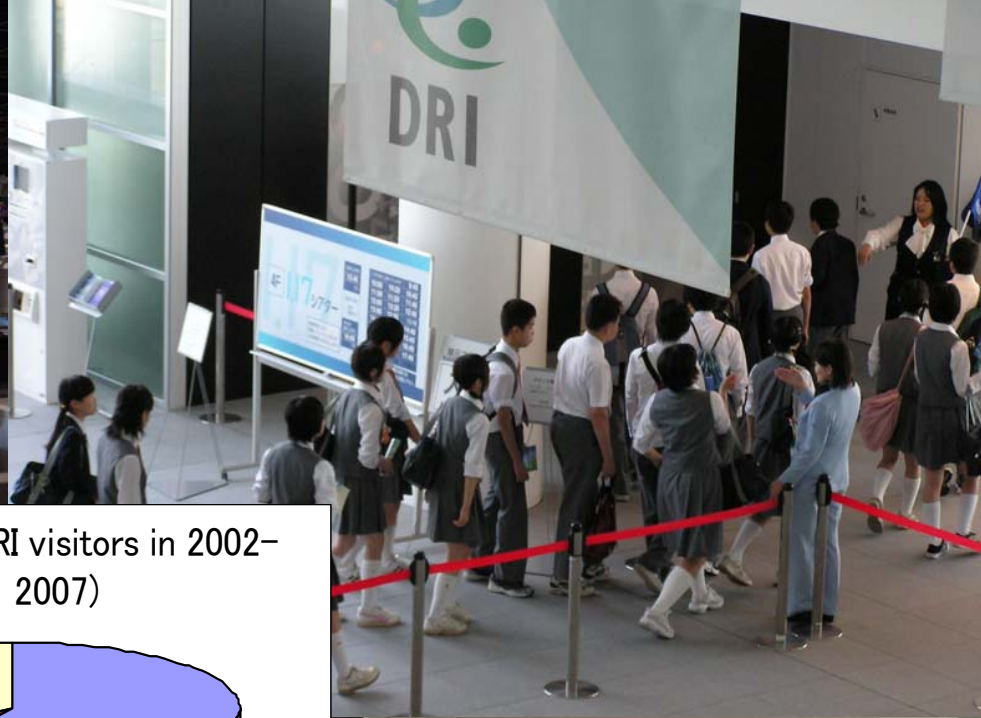


■ 1.17theater

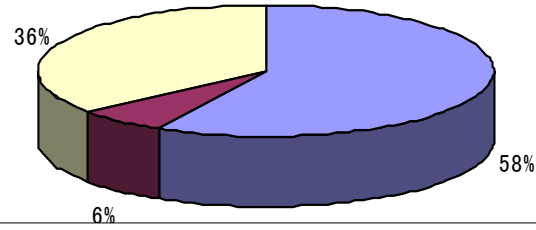


■ Conceptual image of hard-hit Eq. victims

- Totally 2.7 million visitors
- 42% are young generation



Ratio of DRI visitors in 2002-2007)



■ Adults ■ Senior high, Universities □ Elementary, Junior high



Disaster Reduction Alliance (DRA)



Since Oct. 2002



DRI (Dis.Red.& Human Ren.Inst.)



WHO
EMECS, IGES, APN

ADRC
(Asian Dis. Red. C)

OCHA
(UN Office for the Coord. of Hum. Affairs)

UNCRD
(C for Reg. Dev.)

EDM (Eq. Dis. Mit. Res. C, NIED)

IRP (Int, Rec. Platform)



JICA Hyogo Int. C



Hyogo Inst. for Traumatic Stress

Hyogo Dis. Medical C.



Disaster Reduction Alliance

...towards an intellectual hub for health, environment and disaster reduction



Multi-disciplinary research



Project implementation

HAT Kobe, Japan

Education and training



Information exchange

Coordination

Partnership and networking

The Disaster Reduction Alliance (DRA) was established in October, 2002, aiming at promoting organized operation among the health, environment and disaster related organizations situated in HAT Kobe (New Eastern City Center) to the best of their functions.

As of April, 2007, 17 organizations are listed as principal members along with 7 observer organizations.

[Secretariat: Disaster Reduction and Human Renovation Institution (DRI)]

Disaster Reduction Forum 2004, 05, 06, 07

- Pre event of WCDR in 2004
- Every January or February
- Organized by DRA, Hyogo Pref.



<Recommendations to the Int'l. Community>

- Each disaster stricken area should begin to organize in their respective ways to “transfer live lessons of catastrophic disasters”, in particular to their citizens and communities.
- Each government and supporting organization should recognize the importance of transferring live lessons and start supporting such activities.



Proposal for the establishment of “Transfer Live Lessons Network”

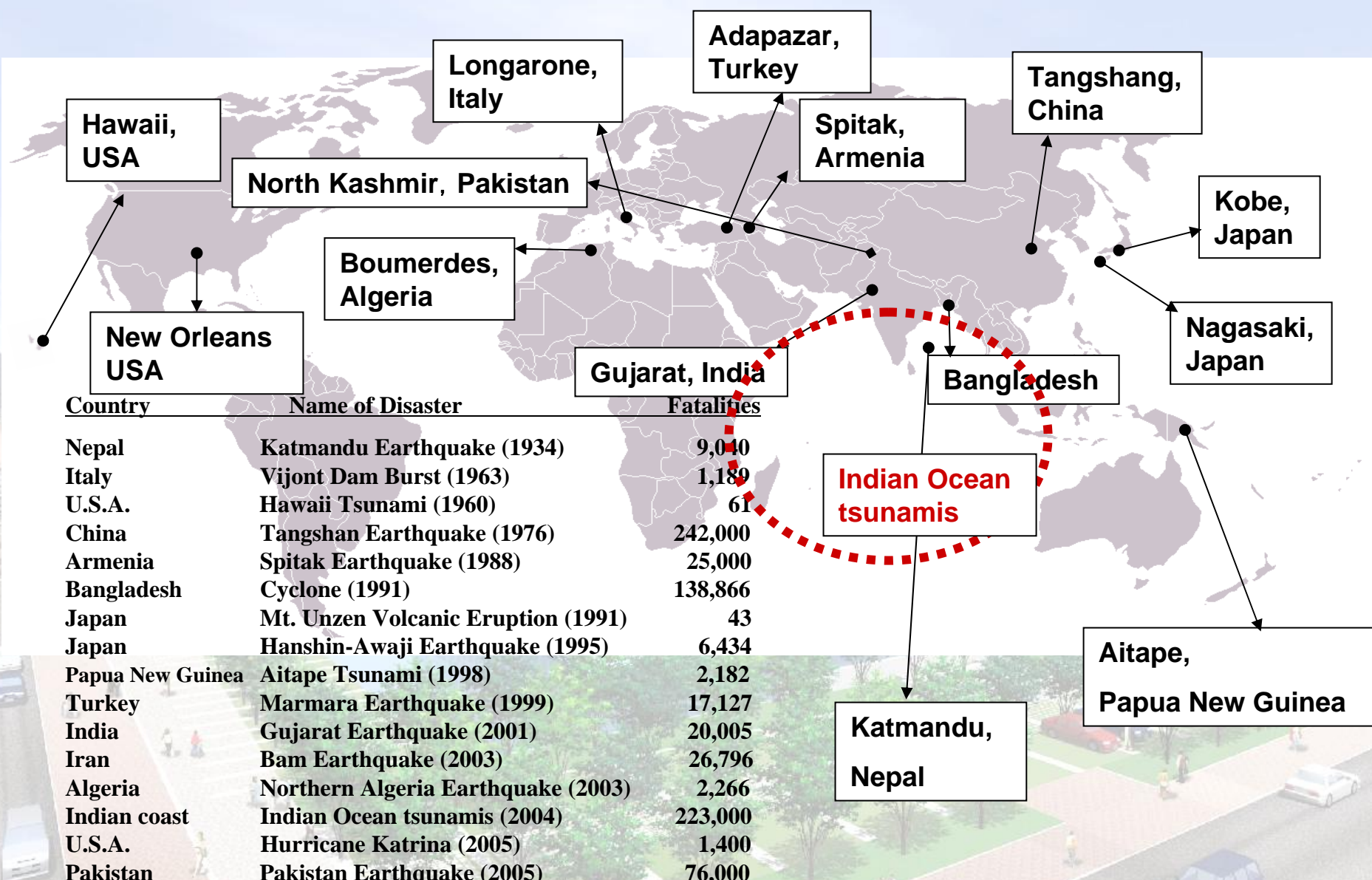
--- For effective education & public awareness for citizens ---

Aiming the realization in 2006

< Activities of this network >

- Facilitate transfer lessons activities of each organizations through mutual information exchange with effective methods on exhibition, public awareness, educational program and so on.
- Open a web site to introduce the whole picture of this network
- Publish a web-newspaper on the specific activities or events on annual basis
- Organize meetings for information exchange on regular basis, hopefully once a year
- Make intellectual support for planning and development of other facilities for “transfer live lessons” activities
- Preparatory Committee was launched on Wednesday, 19th January 2005

Transfer Live Lessons Network



Hawaii, USA

North Kashmir, Pakistan

Longarone, Italy

Adapazar, Turkey

Spitak, Armenia

Tangshang, China

Kobe, Japan

Boumerdes, Algeria

New Orleans USA

Gujarat, India

Bangladesh

Nagasaki, Japan

Indian Ocean tsunamis

Country Name of Disaster Fatalities

Country	Name of Disaster	Fatalities
Nepal	Katmandu Earthquake (1934)	9,040
Italy	Vijont Dam Burst (1963)	1,189
U.S.A.	Hawaii Tsunami (1960)	61
China	Tangshan Earthquake (1976)	242,000
Armenia	Spitak Earthquake (1988)	25,000
Bangladesh	Cyclone (1991)	138,866
Japan	Mt. Unzen Volcanic Eruption (1991)	43
Japan	Hanshin-Awaji Earthquake (1995)	6,434
Papua New Guinea	Aitape Tsunami (1998)	2,182
Turkey	Marmara Earthquake (1999)	17,127
India	Gujarat Earthquake (2001)	20,005
Iran	Bam Earthquake (2003)	26,796
Algeria	Northern Algeria Earthquake (2003)	2,266
Indian coast	Indian Ocean tsunamis (2004)	223,000
U.S.A.	Hurricane Katrina (2005)	1,400
Pakistan	Pakistan Earthquake (2005)	76,000

Katmandu, Nepal

Aitape, Papua New Guinea

International Field Survey on Disasters and Dispatch of Disaster Lessons

- Dr. Kawata conducted following field survey

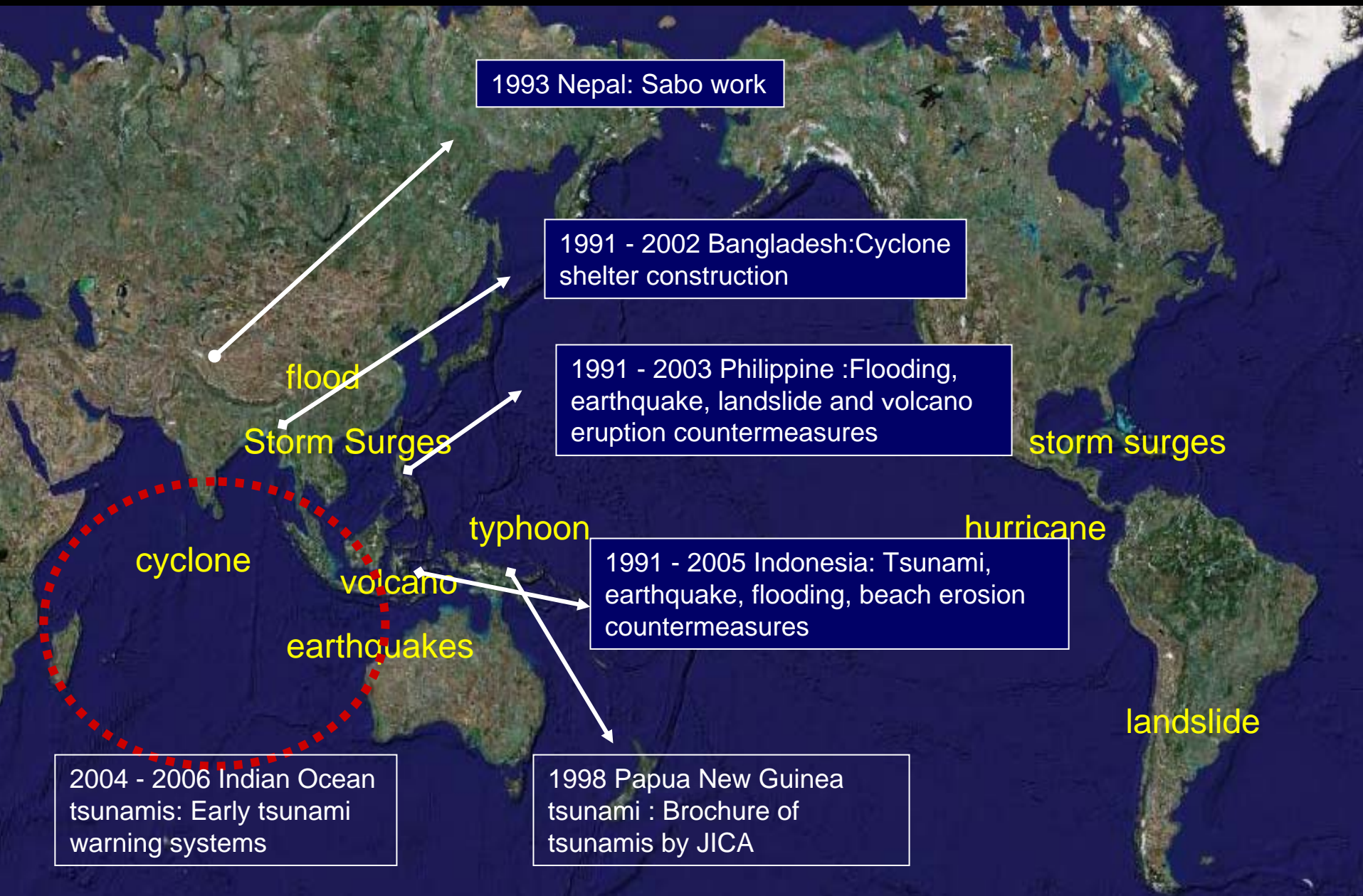
(* :Leader of reconnaissance team 1:International Team)

- 1991 Mt. Pinatubo Eruption (Philippine)*1
- 1991 Cyclone Disaster (Bangladesh)*
- 1991 Flores Island Tsunami (Indonesia)*1
- 1993 Geo-Hazards (Nepal)*
- 1994 East Java Tsunami (Indonesia)
- 1995 Kobe Earthquake (Japan)*
- 1996 Flood Disaster (China)*
- 1998 Papua New Guinea Tsunami*1
- 1999 Che-Che Earthquake (Taiwan)*
- 1999 Marmara Earthquake (Turkey) *
- 2000 Beach Erosion and Flood Disaster (Indonesia)*
- 2001 New York WTC Disasters (USA)*
- 2002 West Europe Flood Disasters (Germany, Australia, Czech)*
- 2003 Typhoon Disasters (Philippine)*
- 2004 Indian Ocean Tsunami (Indonesia, Sri Lanka, India, Thailand, Maldives)*1
- 2005 Hurricane Katrina (USA)*

As Executive Director of DRI, the following surveys were managed after 2002

- 2003 Bamu Earthquake, Iran
- 2004 Indian Ocean tsunami, Indonesia and others
- 2005 Hurricane Katrina, USA, Pakistan Earthquake
- 2006 Landslide, Philippine, Yogyakarta Earthquake, Indonesia, West Java Earthquake, Indonesia
- 2007 Solomon Tsunami

Disaster Reduction Advice to Japanese Government and International Society through IDNDR, ISDR, UNESCO, Red Cross and World Bank



The article seven of the Article Seventeenth
Constitution by Prince Shotoku (574 – 622)
in Asuka era, Japan

*Each professional
has own vocation.
Please administer
your responsibility.
You must not
confuse your place
of work.*



人のおの任あり 掌
ること宣しけれ 濫ざる
べし

第十七條憲法

第七條

聖徳太子